REV. Status

REVISION – 07/24/96 TS

REVISION A REFORMATTED 08/22/96 TS

REVISION B REFORMATTED 07/15/97 TS

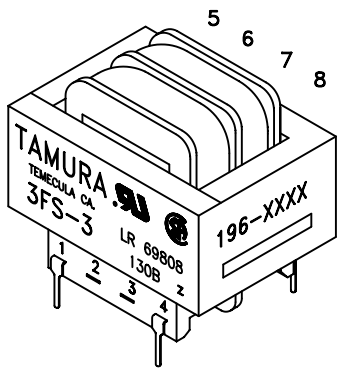
THREE FLANGE SINGLE PRIMARY 2.4VA PC BOARD POWER TRANSFORMER

MODEL NUMBER

3FS-3XX & PSS3-XX

A. Electrical Specifications (@ 25°C)

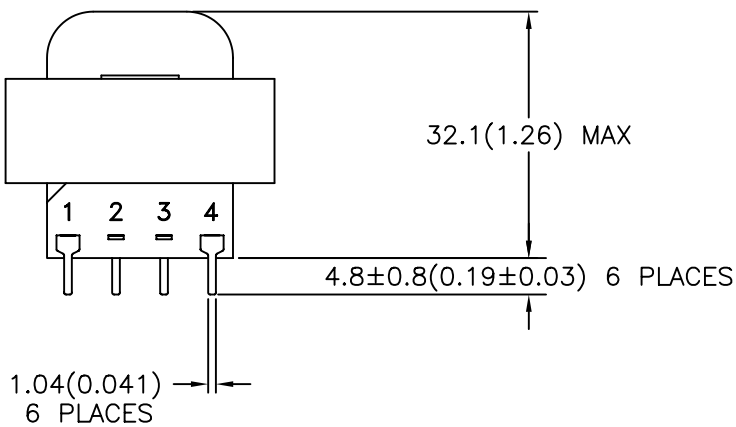
1. Maximum Power: 2.4 VA
2. Input Voltage and Frequency: 115V 50/60 Hz
3. Secondary Voltage: See Table A
4. Voltage Regulation: 24% TYP @ full load to no load
5. Temperature Rise: 35°C TYP (45°C MAX allowed)
6. Insulation Resistance:
   100 MΩ MIN @ 500VDC, Pri to Sec, Pri to Core
   100 MΩ MIN @ 500VDC, Sec to Core
7. Hi-Pot: 2500 Vrms 1 minute @ Pri to Sec
   1500 Vrms 1 minute @ Pri to Core
   1500 Vrms 1 minute @ Sec to Core

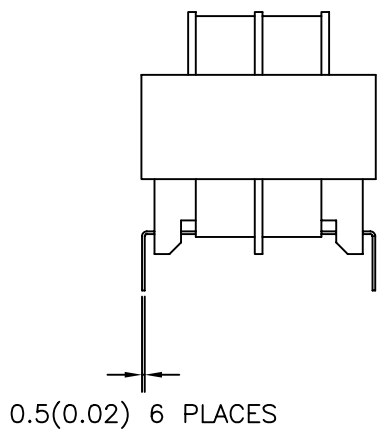


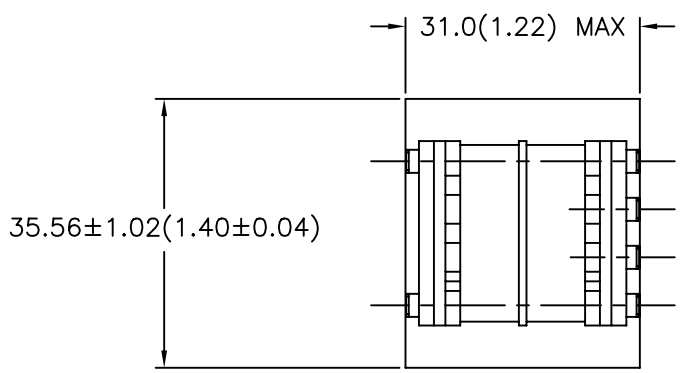
B. Marking: TAMURA, Tamura part number (see sheet 2), MICROTRAN, Microtran part number (see sheet 2), date code, country of origin, safety logos and input and output ratings

C. Safety:
Insulation Class B (130°C) File No. E92957
CSA 22.2 Nos. 0 and 66, File No. LR69808
UL 1585, Class II and III, File No. E95844
UL 506, General Purpose, File No. E91239

D. Mechanical Specifications:







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http://www.trcelectronics.com

Contact TRC for pricing, availability, and technical assistance.

PREPARED BY: 07/15/97 D. KELLEY

ENGINEER: 07/15/97 T. SHIOZAWA

QUALITY CONTROL: 07/15/97 D. KELLEY

APPROVED: 07/15/97 D. KELLEY

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-11646 ACAD\3F\A1116461.DWG	B	SIZE 3 3FS & PSS FAMILY POWER TRANSFORMER	3FS-3XX & PSS3-XX

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TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624

DIM: mm(In) | SCL: NONE | SH: 1 OF 2

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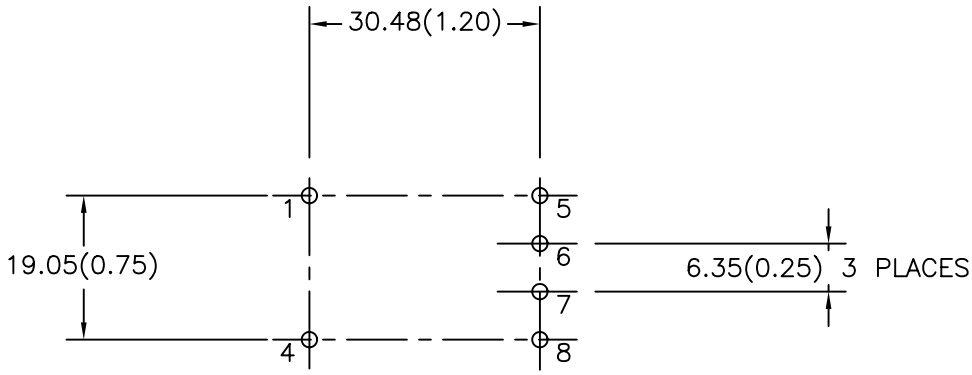
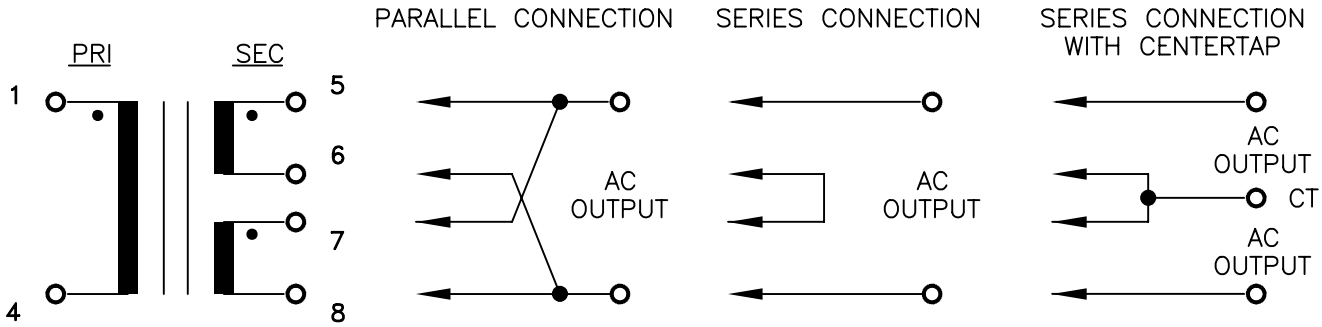
MODEL NUMBER

3FS-3XX & PSS3-XX

E. Mounting Footprint:



F. Schematic Diagram:



G. Table A: (NOTE: All parts are dual marked with both part numbers)

TAMURA PART NO.	MICROTRAN PART NO.	PARALLEL CONNECTION		SERIES CONNECTION		SERIES CONNECTION WITH CT	
		AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS
3FS-310	PSS3-10	5.0	0.50	10.0	0.25	5.0-CT-5.0	0.25
3FS-312	PSS3-12	6.3	0.40	12.6	0.20	6.3-CT-6.3	0.20
3FS-316	PSS3-16	8.0	0.30	16.0	0.15	8.0-CT-8.0	0.15
3FS-320	PSS3-20	10.0	0.24	20.0	0.12	10.0-CT-10.0	0.12
3FS-324	PSS3-24	12.0	0.20	24.0	0.10	12.0-CT-12.0	0.10
3FS-328	PSS3-28	14.0	0.17	28.0	0.085	14.0-CT-14.0	0.085
3FS-336	PSS3-36	18.0	0.13	36.0	0.065	18.0-CT-18.0	0.065
3FS-348	PSS3-48	24.0	0.10	48.0	0.05	24.0-CT-24.0	0.05
3FS-356	PSS3-56	28.0	0.09	56.0	0.045	28.0-CT-28.0	0.045
3FS-3120	PSS3-120	60.0	0.40	120.0	0.02	60.0-CT-60.0	0.02

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APPROVED: 07/15/97 D. KELLEY

DRAWING CONTROL NO. P-A1-11646 ACAD\3F\A1116462.DWG

REV B

MODEL DESCRIPTION: SIZE 3 3FS/PSS FAMILY POWER TRANSFORMER

MODEL SPECIFICATION: 3FS-3XX & PSS3-XX

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